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Section-A

Multiple Choice Questions (MCQ's)

Q-01: Choose the correct answer for each from the given option.

(i) **The center of gravity of a body is a point where ..... acts.**
(a) The torque (b) The external force
(c) The weight of the body (d) None of these

(ii) **Which of the following belong to the second kind of lever?**
(a) Pair of scissor (b) Fair of forceps
(c) Door (d) Arm balance

(iii) **He waves produced by a vibrating body in air are ...... waves.**
(a) Longitudinal (b) Transverse
(c) Electromagnetic (d) Magnetic

(iv) **If q = 4 cm and p = 2cm, then the magnification of the minor is**
(a) 2 (b) 0.5 (c) 4 (d) None of these

(v) **If the speed of body moving in circle is doubled it's centripetal acceleration becomes.**
(a)Twice (b) Four time (c) Eight time (d)None of these

(vi) **The energy possessed by a body due to its position is called**
(a) Kinetic energy (b) Heat energy
(c) Potential energy (d) None of these

(vii) **Elasticity of a substance demand on its**
(a) Temperature (b) Size (c) Nature (d) None of these

(viii) **The temperature of substance changes from 20oC to 20oC, what is the temperature change in Kelvin's scale?**
(a) 100K (b) 40K (c) 293K (d) None of these

(ix) **One meter is equal to ......**
(a) 10^4mm (b) 10^3mm (c) 10^2mm (d) 10^6mm

(x) **Dr. Abdus Salam was awarded Nobel Prize for the work on.....**
(a) Electronics (b) Radiation
(c) Grand unification theory (d) Gravitation

(xi) **One meter is equal to .....**
(a) 10^4mm (b) 10^3mm (c) 10^2mm (d) 10^6mm

(xii) **............. Is a scalar quantity.**
(a) Torque (b) Distance (c) Momentum (d) Acceleration

(xiii) **The unit of coefficient of friction is....**
(a) Newton (b) Kilogram (c) Meter (d) None of these

(xiv) **When a ray of light enters obliquely from rarer into a denser medium, then as angle of refraction is .... Angle of incidence.**
(a) Greater than (b) Smaller than (c) Equal to (d) Unrelated to

(xv) **According to Hagen's waves theory. Light prorogates in the shape of**
(a) Photons (b) Waves (c) Particles (d) None of these

(xvi) **The value of constant that occurs in coulombs force formula is .... Nm^2/c^2**
(a) $9x10^{-9}$ (b) $9.0x10^{-16}$ (c) $9.0x10^9$ (d) $9.9x10^{-9}$

(xvii) **A galvanometer can be converted into an ammeter by connecting a wire of low resistance ..... with the galvanometer.**
(a) To series (b) To parallel
(c) In a combined way (d) In no way